

This listing of the claims will replace all prior versions and listings of the claims in the application.

Listing of the Claims:

1. (Currently Amended) An electrohydraulic valve assembly for controlling operation of cylinder valves of a multi-cylinder engine having a manifold, the assembly comprising:

a plurality of electrohydraulic valves for controlling flow of a fluid within the manifold;

a base plate having a plurality of openings in one planar surface and within each of which one of the plurality of electrohydraulic valves is received abutting the one planar surface and, wherein the openings are sized to enable the plurality of electrohydraulic valves to move along two orthogonal axes while in the openings; and

a bar ~~engaging~~ attached to the base plate and the plurality of electrohydraulic valves, wherein the bar so attached permits movement between the base plate and the plurality of electrohydraulic valves along the two orthogonal axes.

2. (Original) The electrohydraulic valve assembly as recited in claim 1 further comprising a fastener for securing the base plate to the manifold; and wherein each of the plurality of electrohydraulic valves comprises a member which immobilizes the respective electrohydraulic valve with respect to the base plate upon the fastener securing the base plate to the manifold.

3. (Currently Amended) The electrohydraulic valve assembly as recited in claim 1 further comprising a post secured to the base plate and from which the bar is cantilevered and the post having a pin which extends through a hole in the base plate for engaging an aperture in the manifold to locate the assembly on the manifold.

4. (Original) The electrohydraulic valve assembly as recited in claim 3 further comprising a plurality of electrical conductors attached to the bar, wherein the plurality of electrical conductors are connected the plurality of electrohydraulic valves.

5. (Original) The electrohydraulic valve assembly as recited in claim 4 wherein the post comprises an electrical connector having contacts connected to the plurality of electrical conductors.

6. (Original) The electrohydraulic valve assembly as recited in claim 5 wherein the plurality of electrical conductors comprises a first conductor and a second conductor coplanar with the first conductor, the second conductor having first and second sections with a gap there between, the first conductor having an arm extending through the gap, the plurality of electrical conductors further comprising a bridge extending between the first and second sections and over the arm.

7. (Original) The electrohydraulic valve assembly as recited in claim 6 wherein the bridge is connected to one end of a first U-shaped coupling which has another end connected to the first section, and the bridge is connected to a first end of a second U-shaped coupling which has second end connected to the second section.

8. (Currently Amended) The electrohydraulic valve assembly as recited in claim 25 [[3]] wherein the ~~post~~ one attachment member comprises a pin which extends through a hole in the base plate for engaging an aperture in the manifold to locate the assembly on the manifold.

9. (Currently Amended) An electrohydraulic valve assembly for controlling operation of cylinder valves of a multi-cylinder engine having a manifold, the assembly comprising:

a plurality of electrohydraulic valves to control flow of a fluid within the manifold;
a base plate having ~~two major surfaces~~ a first planar surface and a second planar surface with a plurality of openings there between, one of the plurality of electrohydraulic valves being received in each opening and abutting the first planar surface ~~one of the major surfaces~~, wherein each opening is sized to enable the electrohydraulic valve received therein to move along two orthogonal axes on the first planar surface ~~one major surface~~ of the base plate; and

a lead frame having [[a]] only one post secured attached to the base plate and a bar projecting from the post and secured to each of the plurality of electrohydraulic valves, wherein the bar is flexible and able to bend with respect to the post thereby enabling ~~enables~~ movement of the plurality of electrohydraulic valves with respect to the base plate.

10. (Original) The electrohydraulic valve assembly as recited in claim 9 further comprising:

a plurality of electrical conductors extending through the lead frame and being connected the plurality of electrohydraulic valves; and

an electrical connector attached to the post having contacts connected to the plurality of electrical conductors.

11. (Original) The electrohydraulic valve assembly as recited in claim 10 wherein plurality of electrical conductors comprise a first conductor and a second conductor coplanar with the first conductor, the second conductor having first and second sections with a gap there between, the first conductor having an arm extending through the gap, the plurality of electrical conductors further comprising a bridge extending between the first and second sections and over the arm.

12. (Original) The electrohydraulic valve assembly as recited in claim 11 wherein the bridge is connected to one end of a first U-shaped coupling which has another end connected to the first section, and the bridge is connected to a first end of a second U-shaped coupling which has second end connected to the second section.

13. (Original) The electrohydraulic valve assembly as recited in claim 9 wherein the post comprises a pin which extends through a hole in the base plate for engaging an aperture in the manifold to locate the assembly on the manifold.

14. (Original) The electrohydraulic valve assembly as recited in claim 9 further comprising a fastener for securing the base plate to the manifold; and wherein each of the plurality of electrohydraulic valves comprises a member which immobilizes the respective electrohydraulic valve with respect to the base plate upon the fastener securing the base plate to the manifold.

15. (Currently Amended) The electrohydraulic valve assembly as recited in claim 9 further comprising a fastener for securing the base plate to the manifold; and wherein each of the plurality of electrohydraulic valves comprises a tab which is clamped between the first planar surface of the base plate and the manifold when the fastener secures the base plate to the manifold.

16. (Currently Amended) An electrohydraulic valve assembly for controlling operation of cylinder valves of a multi-cylinder engine having a manifold, the assembly comprising:

a plurality of electrohydraulic valves for controlling flow of a fluid within the manifold;

a base plate having two major surfaces with a plurality of openings there between, one of the plurality of electrohydraulic valves being received in each opening and abutting one of the major surfaces, wherein each electrohydraulic valve so received is able to move along two orthogonal axes on the one major surface of the base plate; and

lead frame ~~engaging the base plate and having a~~ having only one post attached to and projecting orthogonally from the base plate, and from which is cantilevered a bar that is cantilevered from the single post and secured to each of the plurality of electrohydraulic valves, wherein the bar is flexible and enables movement of the plurality of electrohydraulic valves with respect to the base plate, a plurality of electrical conductors extending through the lead frame and being connected the plurality of electrohydraulic valves, and an electrical connector attached to the post having contacts connected to the plurality of electrical conductors.

17. (Original) The electrohydraulic valve assembly as recited in claim 16 wherein plurality of electrical conductors comprise a first conductor and a second conductor coplanar with the first conductor, the second conductor having first and second sections with a gap there between, the first conductor having an arm extending through the gap, the plurality of electrical conductors further comprising a bridge extending between the first and second sections and over the arm.

18. (Original) The electrohydraulic valve assembly as recited in claim 17 wherein the bridge is connected to one end of a first U-shaped coupling which has another end connected to the first section, and the bridge is connected to a first end of a second U-shaped coupling which has second end connected to the second section.

19. (Original) The electrohydraulic valve assembly as recited in claim 16 further comprising a fastener for securing the base plate to the manifold; and wherein each of the plurality of electrohydraulic valves comprises a member which immobilizes the respective electrohydraulic valve with respect to the base plate upon the fastener securing the base plate to the manifold.

20. (Original) The electrohydraulic valve assembly as recited in claim 16 further comprising a fastener for securing the base plate to the manifold; and wherein each of the plurality of electrohydraulic valves comprises a tab which is clamped against the base plate and the manifold when the fastener secures the base plate to the manifold.

Claims 21-23. (Canceled)

24. (New) The electrohydraulic valve assembly as recited in claim 1 wherein each of the plurality of electrohydraulic valves comprises a tab; and further comprising a fastener for securing the base plate to the manifold wherein the tab of each of the plurality of electrohydraulic valves is clamped against the one planar surface and the manifold.

25. (New) The electrohydraulic valve assembly as recited in claim 1 wherein the bar comprises a only one attachment member engaging the base plate and from which the bar is cantilevered in a manner to be capable of flexing parallel to the one planar surface.